

# Yiqing(Sunny) Shang

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## EDUCATION

### UNIVERSITY OF IOWA

#### M.A IN HEALTH GEOGRAPHY

Sep. 2012 - Aug. 2014 | Iowa City, IA

Cum. GPA: 3.71/4.0

### GUIZHOU UNIVERSITY

#### B.E IN GEOGRAPHIC

#### INFORMATION SCIENCE

Sep. 2008 - Jun. 2012 | Guiyang, China

Cum. GPA: 3.4 / 4.0

## STRENGTHS

- Proficient in ArcGIS platform
- Familiar with local government business
- Web Application Development skills
- Spatial Data Analysis skills
- Strong Problem Solving skills
- Passionate learner
- Excellent Team-worker with great communication skills

## SKILLS

### GIS:

ArcGIS desktop • ArcGIS Server •

ArcSDE • ArcPy

Web AppBuilder Dev • QGIS

### Programming:

Python • HTML/CSS/JavaScript • Git

### Other:

Presentation • Social Media

## COURSEWORK

Engineering Mathematics

Data Structure

C# Programming

GIS in Health and Environment

Cartography and Visualization

Epidemiology

Spatial Data Analysis

## ACTIVITIES

QC-Coders: Assistant Organizer

Jun. 2017 - Present

Guizhou University Host Group: Host

Sep. 2008 - Jun. 2010

## SUMMARY OF QUALIFICATIONS

- GIS professional with 7 years of experience
- Fluent in Python Programming, familiar with DBMS (MS SQL, PostgreSQL, Access), familiar with version control(git) and project management(trello) tools
- Extensive practice in implementing Web AppBuilder Application development for local government projects(Public Safety, Public Health, Land Assessing, Conservation, Planning, Voting, etc.)
- Experience with Web Application Development(HTML/CSS/Javascript, Leaflet, Openlayers, etc.)
- Strong statistical and analytical skills, and experience solving research and real world problems
- Excellent communication and personal skills

## PROFESSIONAL EXPERIENCE

### SCOTT COUNTY GIS OFFICE

Dec. 2014 - Present | GIS Analyst | Davenport, IA

- Manage Scott County's GIS enterprise data structure(file geodatabase, ArcSDE geodatabase on premise and on AWS), maintain daily and weekly automated data updating workflows using python
- Promote and implement solutions for data collection, access, analysis to enhance efficiency through mobile and web applications
- Create, customize and maintain web applications using Web Appbuilder (developer edition) and web application templates for internal staff and public use.
- Conduct departmental projects utilizing arcgis geoprocessing tools, and design data products for county departments and other agencies
- Coordinate demonstrations and trainings for county department staff to engage use and facilitate future projects

### MUSCATINE AREA GEOGRAPHIC INFORMATION CONSORTIUM

May. 2014 - Sep. 2014 | GIS Intern | Muscatine, IA

- Constructed enterprise data layers such as utility and road easements for Muscatine Power and Water
- Maintained street centerlines, addresses, tax parcels, zoning and utility layers for NG911 state wide pilot project
- Collected survey-grade GPS data as part of facility maintenance

### SPATIOTEMPORAL ANALYSIS OF H1N1 IN CHINA 2009-2010

2013-Aug. 2014 | Researcher | Iowa City, IA

- Designed and Conducted analysis(GWR) of the spatial and temporal characteristics of H1N1 viruses in concert with their genetic characteristics, to identify phylogeographic diffusion patterns and analyze correlation between H1N1 virus evolution and geographically related factors